

Interioral Application No PCT/EP2004/012033

A. CLASS IPC 7	IFICATION OF SUBJECT MATTER G07D11/00		
According t	o International Patent Classification (IPC) or to both national classification	cation and IPC	
B. FIELDS	SEARCHED		
	ocumentation searched (classification system followed by classification	tion symbols)	
IPC 7	G07D B65H	, .	
Documenta	tion searched other than minimum documentation to the extent that	such documents are included in the fields s	earched
Electronic d	lata base consulted during the international search (name of data base	ase and, where practical search terms used	d)
EPO-In			- /
ELO-111			
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the re	elevant passages	Relevant to daim No.
х	US 5 806 650 A (MENNIE ET AL) 15 September 1998 (1998-09-15)		1,11,12
Υ	column 2, line 55 - column 5, li	ne 65	5,9
Y	EP 1 199 681 A2 (HITACHI, LTD) 24 April 2002 (2002-04-24)		5,9
A	paragraph '0006! - paragraph '00! figures 1,17,18	59!;	1
A	US 5 815 592 A (MENNIE ET AL) 29 September 1998 (1998-09-29) column 24, line 41 - line 45		1,11
Α	DE 102 10 687 Al (GIESECKE & DEVI GMBH) 9 October 2003 (2003-10-09) cited in the application the whole document		1,10-12
		-/	
X Furth	ner documents are listed in the continuation of box C.	X Patent family members are listed in	n annex.
• Special cat	egories of cited documents :		
	nd defining the general state of the art which is not ered to be of particular relevance	*T* tater document published after the inte or priority date and not in conflict with cited to understand the principle or the	the application but
	ocument but published on or after the International	invention "X" document of particular relevance; the c	laimed invention
"L" documer which is	nt which may throw doubts on priority claim(s) or s clied to establish the publication date of another	cannot be considered novel or cannot involve an inventive step when the doc "Y" document of particular relevance; the ci	cument is taken alone
	or other special reason (as specified) nt referring to an oral disclosure, use, exhibition or wans	cannot be considered to involve an involve a	rentive step when the re other such docu-
'P' documer	nt published prior to the international filling date but	ments, such combination being obviou in the art. *&* document member of the same patent f	
	ctual completion of the International search	Date of mailing of the international sear	
7	February 2005	15/02/2005	
Name and m	alling address of the ISA European Patent Office, P.B. 5818 Patentiaan 2	Authorized officer	
	NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Reino. B	

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. US 4 420 153 A (WINKLER ET AL)
13 December 1983 (1983-12-13)
column 7, line 29 - line 49
column 13, line 59 - column 14, line 55;
figures 1,7,7a,7b Α 1,4,6

INTERNATIONAL SEARCH REPORT

information on patent family members

Interional Application No
PCT/EP2004/012033

				P(CT/EP2	004/012033
Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 5806650	A	15-09-1998	US	5815592	Α	29-09-1998
			ĂÜ	3508495		26-04-1996
			CA	2178199		11-04-1996
			CA	2188700		05-04-1996
			CA	2188701		05-04-1996
			DE	69527811		19-09-2002
			DE	69527811		10-04-2003
			DE		D1	27-02-2003
			DE	69529454		25-09-2003
			ĒΡ	1246139 /		02-10-2002
			EP	0731954		18-09-1996
			EP	0814437		29-12-1997
			EP	0814438		29-12-1997
			EP	0814439 /		29-12-1997
			WO	9610800 /		11-04-1996
			ΑÚ	1994195 /		25-09-1995
			CA	2184807 /		14-09-1995
			CA	2215850 /		14-09-1995
			CA	2215853 <i>l</i>	A1	14-09-1995
			CA	2215857 /	A1	14-09-1995
			CA	2215864		14-09-1995
			CA	2215869 /		14-09-1995
			CA	2215886 <i>l</i>		18-07-1996
			CA	2215887		18-07-1996
			CA	2234393 <i>I</i>		14-09-1995
			CA	2316138 /	A1	14-09-1995
			CA	2357502		14-09-1995
			CA	2379146		14-09-1995
			DE	69527136		25-07-2002
			DE	69527136		19-12-2002
			ÐΕ	69527546		29-08-2002
			DE	69527546		20-03-2003
			DE	69527552		29-08-2002
			DE	69527552		20-03-2003
			DE	69527806		19-09-2002
			DE	69527806		12-12-2002
			DE	69530868		26-06-2003
			DE	69530868		22-01-2004
			DE	69530873		26-06-2003
			DE	69530873		22-01-2004
			EP	1022694		26-07-2000
			EP	1107167		13-06-2001
			EP	1158469		28-11-2001
			EP	1209632		29-05-2002
			EP	1202224 /		02-05-2002
			EP	1227447 A		31-07-2002
			EP	0749611 A		27-12-1996
			EΡ	0807904 A		19-11-1997
			EP	0807905 A		19-11-1997
			EP	0807906 <i>A</i>	42 	19-11-1997
EP 1199681	A2	24-04-2002	JP	2002197507		12-07-2002
			CN	1350272 A		22-05-2002
			US	2002049674 A	A1	25-04-2002
		29-09-1998	US	5633949 A	 1	27-05-1997
US 5815592	Α	ZJ-UJ-1330	00			
US 5815592	А	29-09-1990	US	5467406 A	4	14-11-1995

Form PCT/ISA/210 (patent family onnex) (January 2004)

INTERNATIONAL SEARCH REPORT

Information on patent family members

Interional Application No PCT/EP2004/012033

				PCT/EP2	004/012033
Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 5815592	A		US	5295196 A	15-03-1994
			AU	1994195 A	25-09-1995
			AU	3508495 A	26-04-1996
			CA	2178199 A1	11-04-1996
			CA	2184807 A1	14-09-1995
			CA	2188700 A1	05-04-1996
			CA	2188701 A1	05-04-1996
			CA	2215850 A1	14-09-1995
			CA	2215853 A1	14-09-1995
			CA	2215857 A1	14-09-1995
			CA	2215864 A1	14-09-1995
			CA	2215869 A1	14-09-1995
			CA	2215886 A1	18-07-1996
			CA	2215887 A1	18-07-1996
			CA	2234393 A1	14-09-1995
			CA	2316138 A1	14-09-1995
			CA	2357502 A1	14-09-1995
			CA	2379146 A1	14-09-1995
			DE	69527136 D1	25-07-2002
			DE	69527136 T2	19-12-2002
			DE	69527546 D1	29-08-2002
			DE	69527546 T2	29-08-2002
			DE	69527552 D1	29-08-2002
			DE	69527552 T2	29-08-2002
			DE	69527806 D1	19-09-2002
			DE	69527806 T2	19-09-2002
			DE	69527811 D1	19-09-2002
			DE	69527811 T2	19-09-2002
			DE	69529454 D1	27-02-2003
			DE	69529454 T2	25-09-2003
			DE	69530868 D1	26-06-2003
			DE	69530868 T2	22-01-2004
			DE	69530873 D1	26-06-2003
			DE	69530873 T2	22-01-2004
			EP	1022694 A2	26-07-2000
			ĒΡ	1022694 A2 1107167 A1	13-06-2001
			EP	110/16/ A1 1158469 A2	28-11-2001
			EP	1209632 A2	29-05-2002
			EP	1209032 AZ 1202224 A2	02-05-2002
			EΡ	1202224 A2 1227447 A2	31-07-2002
			EP	1246139 A2	02-10-2002
			EP	0749611 Al	27-12-1996
			EP	0731954 A1	18-09-1996
			EP	0731954 A1 0807904 A2	
			EP	0807904 A2 0807905 A2	19-11-1997 19-11-1997
			EP	0807905 AZ 0807906 AZ	
			EP		19-11-1997
			EF	0805408 A2	05-11-1997
DE 10210687	A1	09-10-2003	AU	2003212330 A1	22-09-2003
			WO	03077209 A2	18-09-2003
			ËΡ	1485883 A2	15-12-2004
	Α	13-12-1983	ΑU	550308 B2	20-03-1986
US 4420153	^			7547681 A	06-05-1982
US 4420153	^		ΑU	/34/001 M	00-03-1302
US 4420153	^		AU CA	1187519 A1	21-05-1985
US 4420153	^				21-05-1985
US 4420153	^		CA	1187519 A1	

INTERNATIONAL SEARCH REPORT

information on patent family members

Interional Application No PCT/EP2004/012033

- institution on patent talling members			PC1/EP2004/012033				
Patent document cited in search report		Publication date		Patent family member(s)		Publication date	
US 4420153	A		JP SE	57121551 8105323	A A	29-07-1982 20-03-1982	
					•		